

Title (en)
NEW METHOD OF ERROR COMPENSATION FOR ANGULAR ERRORS IN MACHINING (DROOP COMPENSATION)

Title (de)
VERFAHREN ZUR FEHLERKOMPENSATION VON WINKELFEHLERN WÄHREND EINES BEARBEITUNGSVORGANGS
(NEIGUNGSKORREKTUR)

Title (fr)
NOUVEAU PROCEDE DE CORRECTION D'ERREUR POUR LES ERREURS ANGULAIRES D'USINAGE (CORRECTION D'INCLINAISON)

Publication
EP 1128931 A1 20010905 (EN)

Application
EP 99939745 A 19990817

Priority

- US 9918634 W 19990817
- US 9694898 P 19980818

Abstract (en)
[origin: WO0010768A1] Plural spaced actuators (46, 56) mounted along a first axis are used to control machine tool (14) motion along the first axis. The plural actuators (46, 56) are used in synchronism to create linear motion of the machine tool (14) and the tool tip (62) mounted on the machine tool (14) along the first axis. The plural actuators (46, 56) are used differentially to create angular motion of the tool tip (62) about an axis which is orthogonal to the first axis in order to correct angular errors in the axis of the tool (61).

IPC 1-7
B23Q 5/36

IPC 8 full level
B23Q 15/18 (2006.01); **B23Q 1/00** (2006.01); **B23Q 1/48** (2006.01); **B23Q 1/56** (2006.01); **B23Q 1/60** (2006.01); **B23Q 1/70** (2006.01); **B23Q 5/40** (2006.01); **B23Q 11/00** (2006.01); **B23Q 17/22** (2006.01); **G05B 19/404** (2006.01)

CPC (source: EP US)
B23Q 1/4852 (2013.01 - EP US); **B23Q 1/56** (2013.01 - EP US); **B23Q 1/70** (2013.01 - EP US); **B23Q 5/40** (2013.01 - EP US); **B23Q 11/0028** (2013.01 - EP US); **B23Q 17/2233** (2013.01 - EP US); **G05B 19/404** (2013.01 - EP US); **G05B 2219/41114** (2013.01 - EP US); **G05B 2219/41264** (2013.01 - EP US); **G05B 2219/49187** (2013.01 - EP US); **Y10T 408/175** (2015.01 - EP US); **Y10T 408/91** (2015.01 - EP US); **Y10T 409/309744** (2015.01 - EP US)

Cited by
TWI586480B

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0010768 A1 20000302; AU 5398299 A 20000314; BR 9915107 A 20010724; CA 2337939 A1 20000302; DE 69912469 D1 20031204; DE 69912469 T2 20040624; EP 1128931 A1 20010905; EP 1128931 A4 20011114; EP 1128931 B1 20031029; ES 2211141 T3 20040701; JP 2002523248 A 20020730; US 6325578 B1 20011204

DOCDB simple family (application)
US 9918634 W 19990817; AU 5398299 A 19990817; BR 9915107 A 19990817; CA 2337939 A 19990817; DE 69912469 T 19990817; EP 99939745 A 19990817; ES 99939745 T 19990817; JP 2000566072 A 19990817; US 76307901 A 20010216